ST & Final Bill BR NO-06 18/05/22

Original/Duplicate/Triplicate
CONTRACT CERTIFICATE
(For Other Works)

SBR NO-06 18/05/22

No:
Division: R.R Nagar Electrical

Date:
Sub- Division: R.R Nagar, Electrical

Bill Received No.....Dated.....Cash Book Voucher No.....dated.....

Scheduled Docket No.

Name of Work (as per sanctioned estimate): Providing Tubular poles, Street light fittings and AB/UG Cable along with required Accessories at BFW Road from Pipe line road To HMT Railway bridge , ward No-16, RR Nagar Zone..

Name of Contractor and Full Adress: M/S Sri Maruthi Electricals, Prop. Thimmaiah Manjunatha No.15, Chamundi nagara, Girinagara 2nd Stage Bangalore-560085.

Work order No : EE/ELE/RRN/W.O/ 20 /2021-22 Dtd:29/12/2021 **Budget Head:** P0300
Reference to Agreement :20/2021-22 Dtd:29/12/2021 **Job Code:**016-21-000010

Certified that the measurements were taken by me on 18/4/2022 and recorded of page nos 372143 to 372150 in Measurement Book No 3722/21-22 and that the work is satisfactorily executed.

For SRI MARUTHI ELECTRICALS

Contractor Proprietor

Bill Amount Invoice = 613826=00/-
CGST@6% = 36830=00/-
SGST@6% = 36830=00/-

Officer In charge of work

Certified that the measurements were checked by me on 18/4/2022 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in columns 3 of Account II have been actually brought to Site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in the connection with item for finished work have been agreed upon and normal agreement signed and executed by the contractor is recorded in the the office

AIS Rec 18/04 EE(E)RRN

II Memorandum of Payment

Sub-division Officer

1) Total value of work done or supplies as per account within — Rs. 687486=00/-
2) Deduct amount to be held in reserve being .....percent Rs.....
3) " Balance
4) Deduct payment :
   a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D.No.....
      Amount adjusted towards cash advance recovery of
   b) Payments cost store or other material supplied.
      Now made recovery amount creditable to this/ other work
      Amount paid on this bill cheque/cash
   c) Balance being unpaid value of work done held in reserve
5) Deduct cash advance made on the Office Cash Book Voucher No..... dated.....less adjustments
6) Net amount due to or from contractor
   Unadjusted items
7) Advance to contractor for materials brought to site (as detailed) within
   Value of Government materials supplied

Adjustments Details

IT	6875=00/-
CGST	6138=00/-
SGST	6138=00/-
CBF	686=00/-
FSD	-
LC	6875=00/-
FINE	-
OTHERS	-
TOTAL	28,712=00/-
NETT	6,60,774=00/-

For SRI MARUTHI ELECTRICALS
Contractors Signature
Proprietor

Received Rs.....(in words)
.....
by cash and adjustment of payment as per memorandum.
Witnesses :
1.
2.
Dated .....Signature of contractor
Paid by me by cheque No.....Dated .....
Cash Rs.....Dated.....

For SRI MARUTHI ELECTRICALS
Proprietor

Passed for Rs. 6,87,486/- (For use in the office)
Rs. 6,60,774/- Only
Adjustment Rs. 28,712/- Only
Rupees in Words Six lakhs Sixty thousand Seven hundred Seventy four only

Executive Engineer (Elec)
EE(E)
RRNZ
BBMP

Initials of Officer making payment

Acctt Supd.
RRNZ
BBMP

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Fist & Final Bill

A	Providing Tubular poles, Street light fittings and AB/UG Cable along with required Accessories at BFW Road from Pipe line road To HMT Railway bridge , ward No-16, RR Nagar Zone.									
	Items Grouped under sub Heads and sub works of the Estimate	Unit	Previous Measure		Present Measurement			Total Up to date		
			Qty	Cost	Qty	Rate Rs Ps	Amount Rs ps	Qty	Cost	
1	Part-A Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975, 3.5 core 25 sqmm	Mtr			78	160.0	12480.00	78	12480.00	
2	Part-A Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. On wall /Structure. 25 sqmm to 75 sqmm	Rmt			78	5.0	390.00	78	390.00	
3	Part-A Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.	Each			5	3150.0	15750.00	5	15750.00	
4	Part-A Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. 50x50x6mm	Per Mtr			12	235.0	2820.00	12	2820.00	
5	Part-A Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947. 100 to 125Amps	Each			5	5700.0	28500.00	5	28500.00	
6	Part-A Supplying and fixing hylum plastic sheet 3mm thick with necessary nitches for fixing switches, regulators etc., and fixing on existing wood or metal box using N.F. screws.	Sqcm			7950	0.11	875.00	7950	875.00	
7	Part-A Wiring for lighting/power circuit using one of PVC insulated 1100V grade, stranded Aluminium wire single core in open or concealed system of wiring. 4 Sq mm	Mtr			296	7.0	2072.00	296	2072.00	

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	Items Grouped under sub Heads and sub works of the Estimate	Unit	Previous Measure		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate Rs Ps	Amount Rs ps	Qty	Cost
8	Part-A Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection-Min 5KV along with Over voltage/Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency> 130lm/w, nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source. LED Streetlight 90 Watts	No			16	3650.0	58400.00	16	58400.00
9	Part-A Fabricating, supplying and erecting swaged tubular pole of height ...Mtr having three sections, and providing two coats of red oxide paint and finished with two coats of enamelled paint of approved quality and colour and M.S.base plate of suitable size welded at the bottom of the pole(as per IS) and 40mm dia GI / flexible PVC pipe of 1 mtr length fitted to the heavy gauge polycarbonate control box including 5way connector of size 167x125x82mm for 7.5M pole/200x160x98mm for remaining length of pole with front opening cover, with locking arrangements and suitable capacity MCB / DP switch, The pole shall be erected in cement concrete work (1:2:4) including excavation and refilling of planting depth of the pole to the ground level and the coping CC shall be up to 0.6M above ground level as per IS 2713 - 7. Erection of heavy duty pole on Footpath / median. 9Mt (5Mt Hb,165.1mm dia 4.85mm thick x2M Hm, 139.7mmdia 4.50mm thick x 2M Ht,114.3mm dia 3.65mm thick) as per IS 410 SP 32	Each			25	9320.0	233000.00	25	233000.00
10	Part-A Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes .25 sqmm. Long Barrel	Each			15	10.0	150.00	15	150.00
11	Part-A Supply and Installation / Fixing / Provision of Outdoor type Thermoplastic Modular Panel enclosure with transparent Polycarbonate Lid, shock proof, IP65 (Weather Proof), rust proof, dust proof, water proof, corrosion proof having internally Embedded gasket on both lid and flap suitable to fix Single Phase / Three Phase Energy Meter in suitable base plate and having a provision for Fuse / MCB cutout with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility. 300mmx450mmx214mm	Each			5	4550.0	22750.00	5	22750.00

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	Items Grouped under sub Heads and sub works of the Estimate	Unit	Previous Measure		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate Rs Ps	Amount Rs ps	Qty	Cost
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9	Part-A Fabricating, supplying and erecting swaged tubular pole of height ...Mtr having three sections, and providing two coats of red oxide paint and finished with two coats of enamelled paint of approved quality and colour and M.S.base plate of suitable size welded at the bottom of the pole(as per IS) and 40mm dia GI / flexible PVC pipe of 1 mtr length fitted to the heavy gauge polycarbonate control box including 5way connector of size 167x125x82mm for 7.5M pole/200x160x98mm for remaining length of pole with front opening cover, with locking arrangements and suitable capacity MCB / DP switch, The pole shall be erected in cement concrete work (1:2:4) including excavation and refilling of planting depth of the pole to the ground level and the coping CC shall be up to 0.6M above ground level as per IS 2713 - 7. Erection of heavy duty pole on Footpath / median. 9Mt (5Mt Hb,165.1mm dia 4.85mm thick x2M Hm, 139.7mmdia 4.50mm thick x 2M Ht,114.3mm dia 3.65mm thick) as per IS 410 SP 32	Each			25	9320.0	233000.00	25	233000.00
10	Part-A Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes .25 sqmm. Long Barrel	Each			15	10.0	150.00	15	150.00
11	Part-A Supply and Installation / Fixing / Provision of Outdoor type Thermoplastic Modular Panel enclosure with transparent Polycarbonate Lid, shock proof, IP65 (Weather Proof), rust proof, dust proof, water proof, corrosion proof having internally Embedded gasket on both lid and flap suitable to fix Single Phase / Three Phase Energy Meter in suitable base plate and having a provision for Fuse / MCB cutout with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility. 300mmx450mmx214mm	Each			5	4550.0	22750.00	5	22750.00

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	Items Grouped under sub Heads and sub works of the Estimate	Unit	Previous Measure		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate Rs Ps	Amount Rs ps	Qty	Cost
12	Part-A Supplying and fixing telescopic M.S. bracket fabricated by using 0.5m length 4" dia telescopic M. S. pipe, with 2" dia 1.5m long M. S. bracket and are welded with suitable angle, using 6mm thick M. S. sheet, grip bolts & nuts, as required, suitable for 9 to 12 Mtrs. M. S. tubular pole, with necessary two coats of painting, with all other accessories. Single bracket 1.5 Mtr. Length	Each			25	810.0	20250.00	25	20250.00
13	Part-A Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 50-63Amps TPN	Each			5	2150.0	10750.00	5	10750.00
14	Part-A Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. 63Amps	Each			5	195.0	975.00	5	975.00
	Sub total -part-A						409162.00		
15	Part-B Supplying and stringing of 1.1KV grade Aerial Bunched Cable Stranded & Compacted Aluminum Phase Conductor, and Stranded Messenger Conductor with all aluminum Alloy, Phase Conductor is insulated with XLPE Compound, insulated Messenger with specified IS-14255:1995 & confirming to GTP of GROUP-A. 1_ 2 X 16 + 1 X 25 SQ.MM	Mtr			2495	75.0	187125.00	2495	187125.00
16	Part-B Supplying and fixing pole clamp for LT AB Cable	Each			55	210.0	11550.00	55	11550.00
17	Part-B Suspension Clamp Assembly 16 to 70 mm (Excluding pole clamp & Eye Hook) (material cost + labour charges)	Set			55	180.0	9900.00	55	9900.00
18	Part-B Dead End Clamp/Anchor Clamp Assembly 25 to 95 Sqmm (excluding pole clamps and Eye hook) (material cost + labour charges)	Set			15	165.0	2475.00	15	2475.00
19	Part-B Universal Hook, Bolts & nuts including fixing charges (material cost + labour charges)	No			55	85.0	4675.00	55	4675.00
20	Part-B Piercing connector suitable for 16 Sqmm - 95 Sqmm AB Cable - Street Light Connections including fixing charges(material cost + labour charges)	No			100	135.0	13500.00	100	13500.00
	Total						229225.00		638387.00
	Add 12% GST Part A Only						49099.00		
	Total Bill Amount						687486.00		
	Rupees Six Lakh Eighty Seven Thousand Four Hundred and Eighty Six Only								

Certifiacte:

1.Certified that work is Executed Satisfactorily.

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